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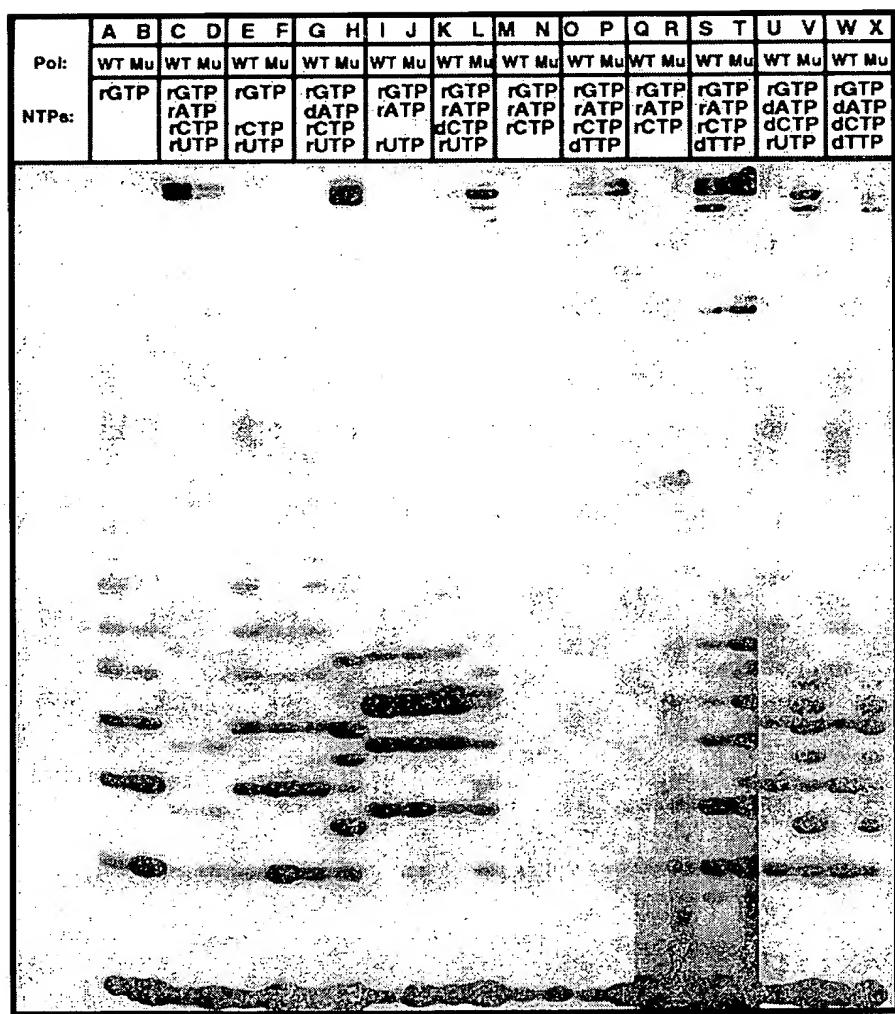


FIG. 1

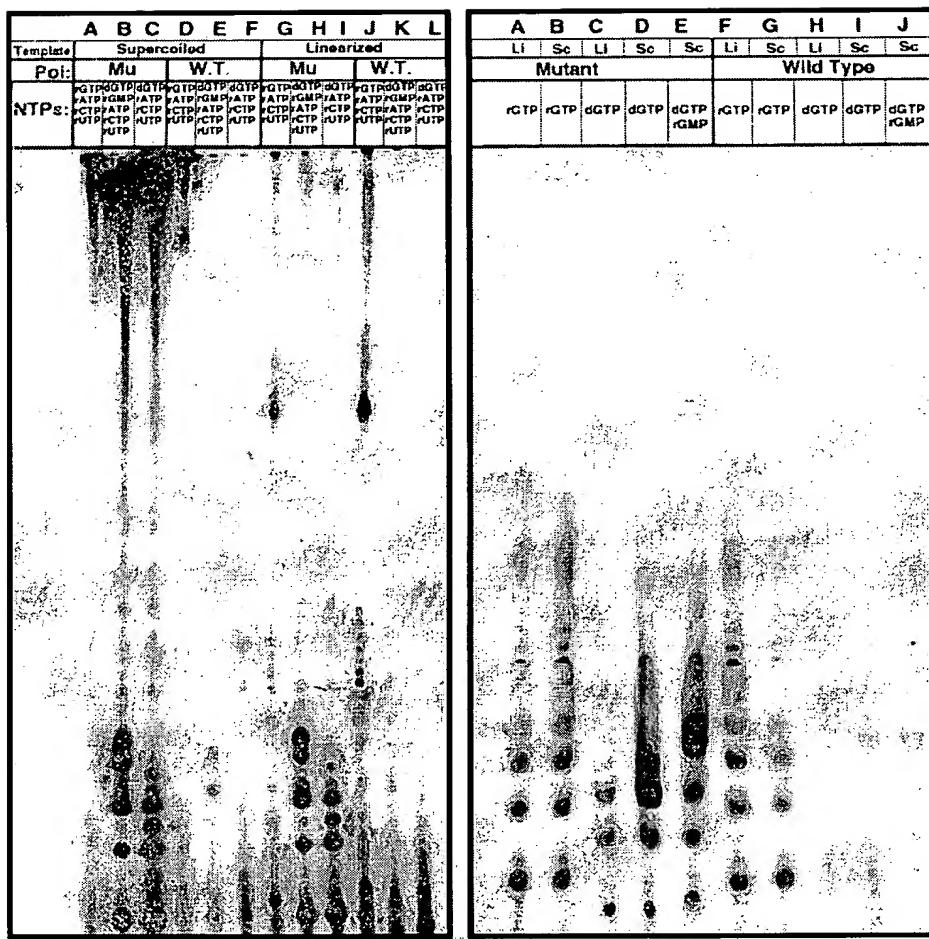


FIG. 2

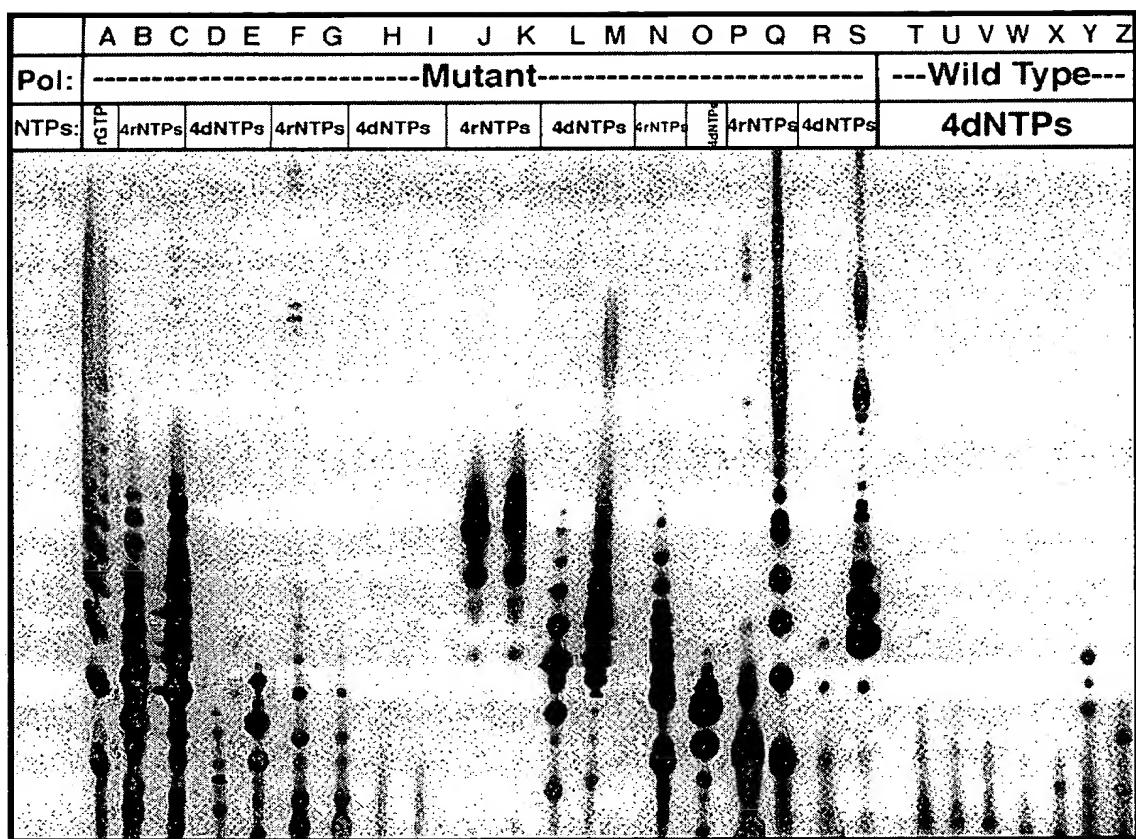


FIG. 3

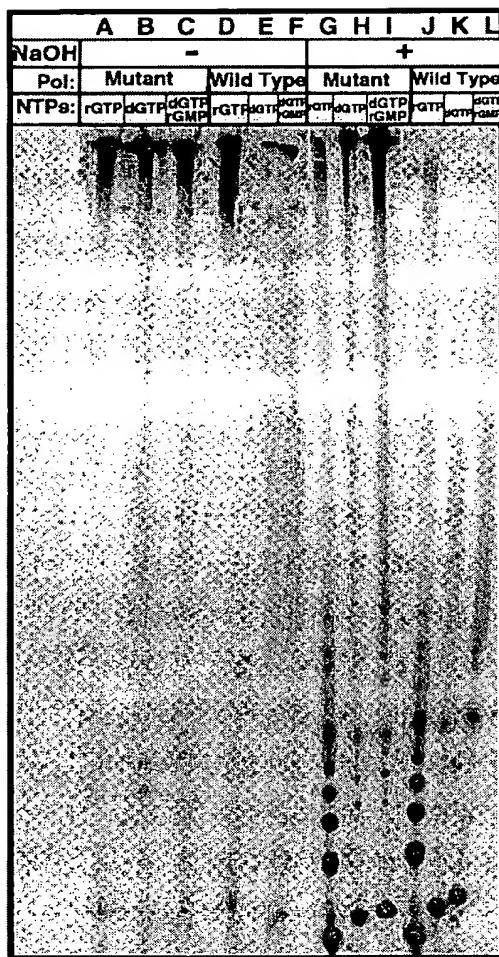


FIG. 4

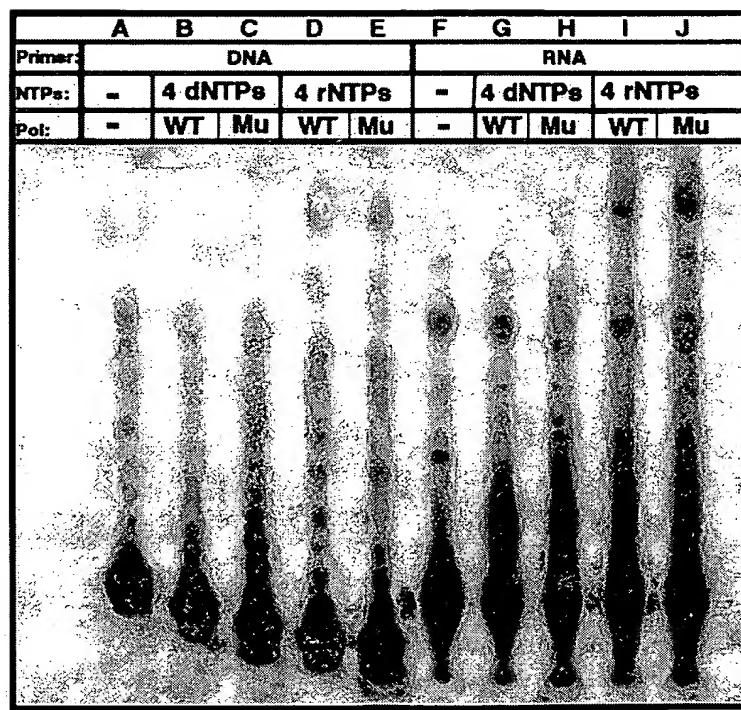


FIG. 5

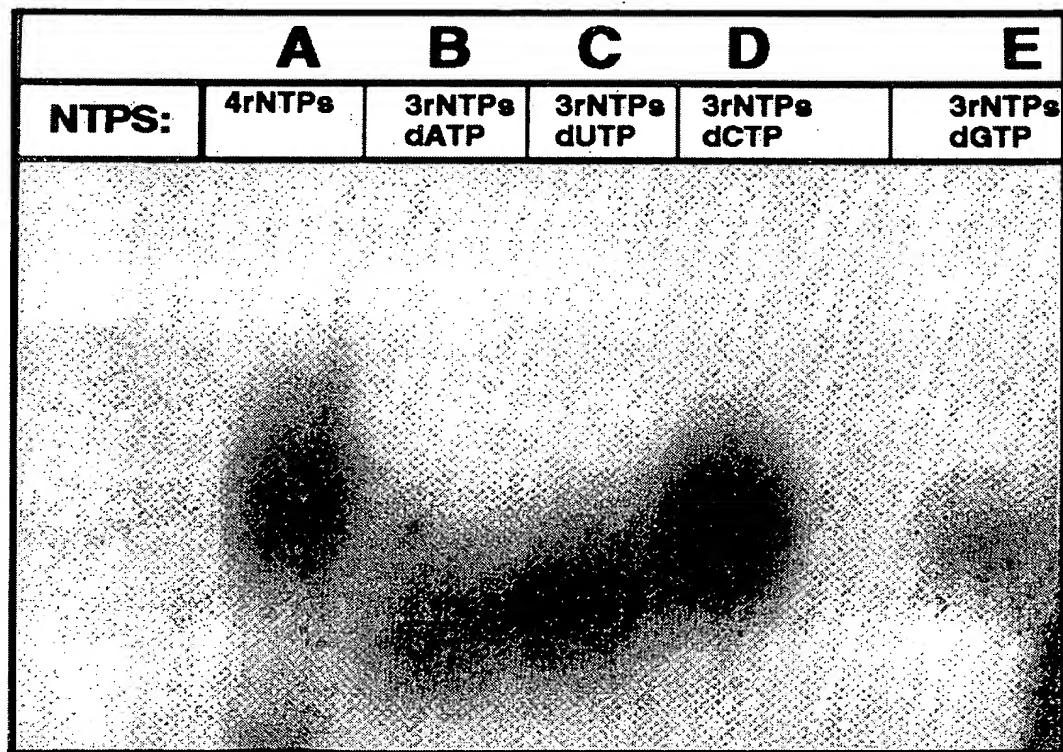


FIG. 6



.... 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 ... Amino A. No.
 LYS PRO VAL MET THR LEU PRO TYR GLY SER THR ARG LEU THR CYS ARG GLU SER VAL ILE ASP TYR ILE VAL... WT A.A. Seq.
 AAA AAG CCC GTG ATG ACC TTG CCA TAT GGT TCT ACT CGC TTA ACT TGC CGT GAA TCT GTG ATT GAT TAC ATC GTA... WT N.A. Seq.

Mutagenic Primers

NdeI

123
TAT
TYR
↓

123
TIT
PHE

5' GG CAC TAC TGG AAC GGT AAA CCA AGA TGA GCG AAT TGA 3'

3' T T GGT TCT ACT CGC TTA ACT TGC CGT GAA TCT GTG ATT GA 5'

Mutation

... AAA AAG CCC GTG ATG ACC TTG CCA TTT GGT TCT ACT CGC TTA ACT TGC CGT GAA TCT GTG ATT GAT TAC ATC GIA... Mut. N.A. Seq
... LYS LYS PRO VAL MET THR LEU PRO PHE GLY SER THR ARG LEU THR CYS ARG GLU SER VAL ILE ASP TYR ILE VAL... Mut. A.A. Seq
Nde I (lost)

FIG. 7